	Application No.	Applicant(s)
Notice of Allowability	10/628,575	FELDMAN ET AL.
	Examiner	Art Unit
	Craig A. Thompson	2813
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHT of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this apport or other appropriate communication IGHTS. This application is subject to	olication. If not included will be mailed in due course. THIS
1. This communication is responsive to <u>7/29/2003</u> .	•	
2. The allowed claim(s) is/are 1-15.	•	
3. The drawings filed on 29 July 2003 are accepted by the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority unally all bloometable bloometable bloometable copies of the priority documents have all certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified copies of the priority documents have all copies of the certified co	e been received. e been received in Application No	national stage application from the
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		complying with the requirements
5. A SUBSTITUTE OATH OR DECLARATION must be subminformal PATENT APPLICATION (PTO-152) which give		
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date herein. Identifying indicia such as the application number (see 37 CFR 1 each sheet. Replacement sheet(s) should be labeled as such in the sheet (s) sheet	son's Patent Drawing Review (PTO s Amendment / Comment or in the C .84(c)) should be written on the drawir	Office action of ags in the front (not the back) of
7. DEPOSIT OF and/or INFORMATION about the depo attached Examiner's comment regarding REQUIREMENT		
 Attachment(s) 1. ☐ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/O Paper No./Mail Date 7-29-03 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	6. Interview Summary Paper No./Mail Dat 08), 7. Examiner's Amendr	te

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In claim 11, line 2: The word "elmeents" has been deleted and - - elements - has been substituted therefor. The examiner notes that this amendment
constitutes a spelling correction, is a formality, and does not in any way affect the
examined or interpreted scope of the claim.

REASONS FOR ALLOWANCE

The following is an examiner's statement of reasons for allowance: prior art of record does not describe or suggest applicant's invention set forth in claims 1-10, a method of forming an optical element in an optical system wherein a plurality of elements are formed on a top surface of a substrate, a separation well is etched having edges in at least one top surface of a the substrate and a bottom surface of a substrate, separation is completed through the separation well using a non-etching technique to form singulated elements and a singulated optical element is aligned with the optical system using an etched edge. Similarly prior art of record does not describe or suggest the invention of claims 11-15 wherein a plurality of optical elements are formed on a top surface of a substrate, a corresponding plurality of separation wells are etched on the

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top surface, and the substrate is thinned from a back surface of the substrate, such that the combination of the etching and thinning singulate the optical elements.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Cited Prior Art

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Iscoff (2001 Chip Scale article) teaches that sawing and stamping are competing with tools that employ laser ablation in the field of singulation (see competing technologies).

Drawings

Figures 1A-1B should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.121(d)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

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New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because of the objection set forth above. Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Craig A. Thompson whose telephone number is (571)272-1699. The examiner can normally be reached on Monday-Friday 8:00 am -4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Carl Whitehead, Jr. can be reached on (571)272-1702. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Craig A. Thompson
Primary Examiner

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13 December 2004